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**Information technology — General  
video coding —**

**Part 1:  
Essential video coding**

**AMENDMENT 1: Green metadata  
supplemental enhancement information**

*Technologies de l'information — Codage vidéo général —*

*Partie 1: Codage vidéo essentiel*

*AMENDMENT 1: Informations d'amélioration complémentaires des  
métadonnées vertes*



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This document was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information*.

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# Information technology — General video coding —

## Part 1: Essential video coding

### AMENDMENT 1: Green metadata supplemental enhancement information

#### Clause 2

Add the following normative references:

Rec. ITU-T H.273 | ISO/IEC 23091-2, *Information technology — Coding-independent code points — Part 2: Video*

ISO/IEC 23001-11, *Information Technology — MPEG Systems technologies — Part 11: Energy-efficient media consumption (green metadata)*

#### 3.71, Note 1 to entry

Replace "Annex A" with "Annex B".

#### 6.4.4

Delete "The neighbouring block is coded in intra or intra block copy mode".

#### 7.2

Delete "(i.e., the position of the payload\_bit\_equal\_to\_one syntax element)".

#### 7.3.2.8

Delete the following:

<b>rbsp_stop_one_bit</b> /* equal to 1 */	f(1)
---	------

#### 7.3.2.9

Delete the following:

<b>alignment_bit_equal_to_one</b> /* equal to 1 */	f(1)
--	------

#### 7.3.8.3

Replace:

<code>coding_unit( x0, y0, log2CbWidth, log2CbHeight, ctDepth, cuQpDeltaCode)</code>	
--	--

with:

<code>coding_unit( x0, y0, log2CbWidth, log2CbHeight, ctDepth, cuQpDeltaCode, treeType, predModeConstraint )</code>	
---	--

#### 7.3.8.4

Add a comma after “treeType” in the first line.

#### 7.3.8.5

Replace:

<code>if( ( isSplit    CuPredMode == MODE_INTRA    cbf_cb    cbf_cr ) &amp;&amp; treeType != DUAL_TREE_CHROMA )</code>	
--	--

with:

<code>if( ( ( isSplit    CuPredMode == MODE_INTRA    cbf_cb    cbf_cr ) &amp;&amp; treeType == SINGLE_TREE )    treeType == DUAL_TREE_LUMA )</code>	
---	--

#### 7.4.3.8

Delete “**rbstop\_one\_bit** shall be equal to 1.”

#### 7.4.3.9

Delete “**alignment\_bit\_equal\_to\_one** shall be equal to 1.”

#### 7.4.9.3

After the bullet “log2CbWidthTemp is less than 2” add another bullet with text “ratioWH is greater than 2”.

After the bullet “log2CbHeightTemp is less than 2” add another bullet with text “ratioWH is greater than 2”.

#### 7.4.9.4

Replace “PRED\_MODE\_CONSTRAINT\_INTRA” with “PRED\_MODE\_CONSTRAINT\_INTRA\_IBC”.

#### 8.3.1

Replace, in Formula (163), “/” with “÷”.

8.5.1

Replace “RefPicList0[ refIdxL0 ]” with “RefPicList[ 0 ][ refIdxL0 ]”.

Replace “RefPicList1[ refIdxL1 ]” with “RefPicList[ 1 ][ refIdxL1 ]”.

8.5.2.1

Delete “Let the variable LX be RefPicListX, with X being 0 or 1, of the current picture”.

8.5.2.3

Replace “RefPicListX” with “RefPicList[ X ]”.

8.5.2.3.9

Replace “RefList0” with “RefPicList[ 0 ]”.

Replace “RefPicList[ 1 ]” with “RefPicList[ 1 ][ 1 ]”.

Replace “currPocDiffL0” with “currPocDiffL0\_0”.

Replace “currPocDiffL1” with “currPocDiffL0\_1”.

Replace “RefPicList0” with “RefPicList[ 0 ]”.

Replace “RefPicList1” with “RefPicList[ 1 ]”.

8.5.2.4.1

Replace “RefPicListX” with “RefPicList[ X ]”.

8.5.2.4.3

Replace “RefPicListX” with “RefPicList[ X ]”.

8.5.2.5

Replace “RefPicList0” with “RefPicList[ 0 ]”.

Replace “RefPicList1” with “RefPicList[ 1 ]”.

8.5.4.2

Replace “RefPicListX” with “RefPicList[ X ]”.

8.7.3

Replace, in Formulae (1056) and (1057), “-5” with “-9”.

#### 8.7.4.2

Add the following input parameter:

- a variable  $trType$  specifying the transform kernel type.

In the first paragraph, replace “Type” with “type”.

#### 8.8.2.3

Replace, before Formula (1136), the following:

- If  $refIdx0L0$  is equal to  $refIdx0L1$  and  $refIdx1L0$  is equal to  $refIdx1L1$ , the following applies:

with:

- If  $RefPicList[0][refIdx0L0]$  is equal to  $RefPicList[0][refIdx1L0]$  and  $RefPicList[1][refIdx0L1]$  is equal to  $RefPicList[1][refIdx1L1]$ , the following applies:

Replace, before Formula (1137), the following:

- Otherwise, if  $refIdx0L0$  is equal to  $refIdx1L1$  and  $refIdx0L1$  is equal to  $refIdx1L0$ , the following applies:

with:

- Otherwise, if  $RefPicList[0][refIdx0L0]$  is equal to  $RefPicList[1][refIdx1L1]$  and  $RefPicList[1][refIdx0L1]$  is equal to  $RefPicList[0][refIdx1L0]$ , the following applies:

Replace, before Formula (1191), the following:

- If  $refIdx0L0$  is equal to  $refIdx0L1$  and  $refIdx1L0$  is equal to  $refIdx1L1$ , the following applies:

with:

- If  $RefPicList[0][refIdx0L0]$  is equal to  $RefPicList[0][refIdx1L0]$  and  $RefPicList[1][refIdx0L1]$  is equal to  $RefPicList[1][refIdx1L1]$ , the following applies:

Replace, before Formula (1192), the following:

- Otherwise, if  $refIdx0L0$  is equal to  $refIdx1L1$  and  $refIdx0L1$  is equal to  $refIdx1L0$ , the following applies:

with:

- Otherwise, if  $RefPicList[0][refIdx0L0]$  is equal to  $RefPicList[1][refIdx1L1]$  and  $RefPicList[1][refIdx0L1]$  is equal to  $RefPicList[0][refIdx1L0]$ , the following applies:

#### 8.8.3.4

Replace, after Formula (1229), the following:

- If  $refIdx0L0$  is equal to  $refIdx1L0$  and  $refIdx0L1$  is equal to  $refIdx1L1$  or if  $refIdx0L0$  is equal to  $refIdx1L1$  and  $refIdx0L1$  is equal to  $refIdx1L0$ , the variable  $bS$  is derived as follows:

with:

- If  $\text{RefPicList}[0][\text{refIdx0L0}]$  is equal to  $\text{RefPicList}[0][\text{refIdx1L0}]$  and  $\text{RefPicList}[1][\text{refIdx0L1}]$  is equal to  $\text{RefPicList}[1][\text{refIdx1L1}]$ , or if  $\text{RefPicList}[0][\text{refIdx0L0}]$  is equal to  $\text{RefPicList}[1][\text{refIdx1L1}]$  and  $\text{RefPicList}[1][\text{refIdx0L1}]$  is equal to  $\text{RefPicList}[0][\text{refIdx1L0}]$ , the variable  $bS$  is derived as follows:

Replace, before Formula (1230), the following:

- If  $\text{refIdx0L0}$  is equal to  $\text{refIdx0L1}$ , the variable  $bS$  is derived by:

with:

- If  $\text{RefPicList}[0][\text{refIdx0L0}]$  is equal to  $\text{RefPicList}[1][\text{refIdx0L1}]$ , the variable  $bS$  is derived by:

Replace, before Formula (1231), the following:

- Otherwise, if  $\text{refIdx0L0}$  is equal to  $\text{refIdx1L0}$  and  $\text{refIdx0L1}$  is equal to  $\text{refIdx1L1}$ , the variable  $bS$  is derived by:

with:

- Otherwise, if  $\text{RefPicList}[0][\text{refIdx0L0}]$  is equal to  $\text{RefPicList}[0][\text{refIdx1L0}]$  and  $\text{RefPicList}[1][\text{refIdx0L1}]$  is equal to  $\text{RefPicList}[1][\text{refIdx1L1}]$ , the variable  $bS$  is derived by:

Replace, before Formula (1232), the following:

- Otherwise, if  $\text{refIdx0L0}$  is equal to  $\text{refIdx1L1}$  and  $\text{refIdx0L1}$  is equal to  $\text{refIdx1L0}$ , the variable  $bS$  is derived by:

with:

- Otherwise, if  $\text{RefPicList}[0][\text{refIdx0L0}]$  is equal to  $\text{RefPicList}[1][\text{refIdx1L1}]$  and  $\text{RefPicList}[1][\text{refIdx0L1}]$  is equal to  $\text{RefPicList}[0][\text{refIdx1L0}]$ , the variable  $bS$  is derived by:

#### 8.8.4.5

Replace “Otherwise, (availableL is equal to TRUE), samples  $\text{recPictureOut}$  are derived as follows” with “Otherwise (availableL is equal to TRUE), for  $y = 0..\text{blkHeight} - 1$ , samples  $\text{recPictureOut}$  are derived as follows”.

Replace “Otherwise (availableR is equal to TRUE), samples  $\text{recPictureOut}$  are derived as follows” with “Otherwise (availableR is equal to TRUE), for  $y = 0..\text{blkHeight} - 1$ , samples  $\text{recPictureOut}$  are derived as follows”.

Replace “If availableT is equal to FALSE, for  $x = -3..\text{blkWidth} + 2$  and, samples  $\text{recPictureOut}$  are derived as follows” with “If availableT is equal to FALSE, for  $x = -3..\text{blkWidth} + 2$ , samples  $\text{recPictureOut}$  are derived as follows”.

Replace Formulae (1337), (1338) and (1339) with the following:

$$\text{recPictureOut}[x\text{Ctb} + x, y\text{Ctb} - 3] = \text{recPictureOut}[x\text{Ctb} + x, y\text{Ctb} + 3] \quad (1337)$$

$$\text{recPictureOut}[x\text{Ctb} + x, y\text{Ctb} - 2] = \text{recPictureOut}[x\text{Ctb} + x, y\text{Ctb} + 2] \quad (1338)$$

$$\text{recPictureOut}[x_{\text{Ctb}} + x, y_{\text{Ctb}} - 1] = \text{recPictureOut}[x_{\text{Ctb}} + x, y_{\text{Ctb}} + 1] \quad (1339)$$

Replace “Otherwise (availableT is equal to TRUE), samples recPictureOut are derived as follows” with “Otherwise (availableT is equal to TRUE), for  $x = 0..blkWidth - 1$ , samples recPictureOut are derived as follows”.

Add the following after Formula (1342):

- If availableL is equal to FALSE, for  $y = y_{\text{Ctb}} - 3..y_{\text{Ctb}} - 1$ , samples recPictureOut are derived as follows:

$$\text{recPictureOut}[x_{\text{Ctb}} - 3, y] = \text{recPicture}[x_{\text{Ctb}}, y] \quad (1477)$$

$$\text{recPictureOut}[x_{\text{Ctb}} - 2, y] = \text{recPicture}[x_{\text{Ctb}}, y] \quad (1478)$$

$$\text{recPictureOut}[x_{\text{Ctb}} - 1, y] = \text{recPicture}[x_{\text{Ctb}}, y] \quad (1479)$$

- Otherwise (availableL is equal to TRUE), for  $y = y_{\text{Ctb}} - 3..y_{\text{Ctb}} - 1$ , samples recPictureOut are derived as follows:

$$\text{recPictureOut}[x_{\text{Ctb}} - 3, y] = \text{recPicture}[x_{\text{Ctb}} - 3, y] \quad (1480)$$

$$\text{recPictureOut}[x_{\text{Ctb}} - 2, y] = \text{recPicture}[x_{\text{Ctb}} - 2, y] \quad (1481)$$

$$\text{recPictureOut}[x_{\text{Ctb}} - 1, y] = \text{recPicture}[x_{\text{Ctb}} - 1, y] \quad (1482)$$

- If availableR is equal to FALSE, for  $y = y_{\text{Ctb}} - 3..y_{\text{Ctb}} - 1$ , samples recPictureOut are derived as follows:

$$\text{recPictureOut}[x_{\text{Ctb}} + blkWidth + 2, y] = \text{recPicture}[x_{\text{Ctb}} + blkWidth - 1, y] \quad (1483)$$

$$\text{recPictureOut}[x_{\text{Ctb}} + blkWidth + 1, y] = \text{recPicture}[x_{\text{Ctb}} + blkWidth - 1, y] \quad (1484)$$

$$\text{recPictureOut}[x_{\text{Ctb}} + blkWidth, y] = \text{recPicture}[x_{\text{Ctb}} + blkWidth - 1, y] \quad (1485)$$

- Otherwise (availableR is equal to TRUE), for  $y = y_{\text{Ctb}} - 3..y_{\text{Ctb}} - 1$ , samples recPictureOut are derived as follows:

$$\text{recPictureOut}[x_{\text{Ctb}} + blkWidth + 2, y] = \text{recPicture}[x_{\text{Ctb}} + blkWidth + 2, y] \quad (1486)$$

$$\text{recPictureOut}[x_{\text{Ctb}} + blkWidth + 1, y] = \text{recPicture}[x_{\text{Ctb}} + blkWidth + 1, y] \quad (1487)$$

$$\text{recPictureOut}[x_{\text{Ctb}} + blkWidth, y] = \text{recPicture}[x_{\text{Ctb}} + blkWidth, y] \quad (1488)$$

Replace “If availableB is equal to FALSE, for  $x = -3..blkWidth + 2$  and, samples recPictureOut are derived as follows” with “If availableB is equal to FALSE, for  $x = -3..blkWidth + 2$ , samples recPictureOut are derived as follows”.

Replace Formulae (1343) to (1345) with the following:

$$\text{recPictureOut}[x\text{Ctb} + x, y\text{Ctb} + \text{blkHeight} + 2] = \text{recPictureOut}[x\text{Ctb} + x, y\text{Ctb} + \text{blkHeight} - 4] \quad (1343)$$

$$\text{recPictureOut}[x\text{Ctb} + x, y\text{Ctb} + \text{blkHeight} + 1] = \text{recPictureOut}[x\text{Ctb} + x, y\text{Ctb} + \text{blkHeight} - 3] \quad (1344)$$

$$\text{recPictureOut}[x\text{Ctb} + x, y\text{Ctb} + \text{blkHeight}] = \text{recPictureOut}[x\text{Ctb} + x, y\text{Ctb} + \text{blkHeight} - 2] \quad (1345)$$

Replace “Otherwise (availableB is equal to TRUE), samples recPictureOut are derived as follows” with “Otherwise (availableB is equal to TRUE), for  $x = 0..blkWidth - 1$ , samples recPictureOut are derived as follows”.

Add the following after Formula (1348):

- If availableL is equal to FALSE, for  $y = y\text{Ctb} + \text{blkHeight}..y\text{Ctb} + \text{blkHeight} + 2$ , samples recPictureOut are derived as follows:

$$\text{recPictureOut}[x\text{Ctb} - 3, y] = \text{recPicture}[x\text{Ctb}, y] \quad (1489)$$

$$\text{recPictureOut}[x\text{Ctb} - 2, y] = \text{recPicture}[x\text{Ctb}, y] \quad (1490)$$

$$\text{recPictureOut}[x\text{Ctb} - 1, y] = \text{recPicture}[x\text{Ctb}, y] \quad (1491)$$

- Otherwise (availableL is equal to TRUE), for  $y = y\text{Ctb} + \text{blkHeight}..y\text{Ctb} + \text{blkHeight} + 2$ , samples recPictureOut are derived as follows:

$$\text{recPictureOut}[x\text{Ctb} - 3, y] = \text{recPicture}[x\text{Ctb} - 3, y] \quad (1492)$$

$$\text{recPictureOut}[x\text{Ctb} - 2, y] = \text{recPicture}[x\text{Ctb} - 2, y] \quad (1493)$$

$$\text{recPictureOut}[x\text{Ctb} - 1, y] = \text{recPicture}[x\text{Ctb} - 1, y] \quad (1494)$$

- If availableR is equal to FALSE, for  $y = y\text{Ctb} + \text{blkHeight}..y\text{Ctb} + \text{blkHeight} + 2$ , samples recPictureOut are derived as follows:

$$\text{recPictureOut}[x\text{Ctb} + \text{blkWidth} + 2, y] = \text{recPicture}[x\text{Ctb} + \text{blkWidth} - 1, y] \quad (1495)$$

$$\text{recPictureOut}[x\text{Ctb} + \text{blkWidth} + 1, y] = \text{recPicture}[x\text{Ctb} + \text{blkWidth} - 1, y] \quad (1496)$$

$$\text{recPictureOut}[x\text{Ctb} + \text{blkWidth}, y] = \text{recPicture}[x\text{Ctb} + \text{blkWidth} - 1, y] \quad (1497)$$

- Otherwise (availableR is equal to TRUE), for  $y = y\text{Ctb} + \text{blkHeight}..y\text{Ctb} + \text{blkHeight} + 2$ , samples recPictureOut are derived as follows:

$$\text{recPictureOut}[x\text{Ctb} + \text{blkWidth} + 2, y] = \text{recPicture}[x\text{Ctb} + \text{blkWidth} + 2, y] \quad (1498)$$

$$\text{recPictureOut}[x\text{Ctb} + \text{blkWidth} + 1, y] = \text{recPicture}[x\text{Ctb} + \text{blkWidth} + 1, y] \quad (1499)$$

$$\text{recPictureOut}[x\text{Ctb} + \text{blkWidth}, y] = \text{recPicture}[x\text{Ctb} + \text{blkWidth}, y] \quad (1500)$$

8.8.4.6

Replace “Otherwise (availableL is equal to TRUE),” with “Otherwise (availableL is equal to TRUE), for  $y = 0.. \text{blkHeight} - 1$ , samples  $\text{recPictureChOut}$  are derived as follows:”.

Replace “Otherwise (availableR is equal to TRUE),” with “Otherwise (availableR is equal to TRUE), for  $y = 0.. \text{blkHeight} - 1$ , samples  $\text{recPictureChOut}$  are derived as follows:”.

Replace “If availableT is equal to FALSE, and  $\text{loop\_filter\_across\_tiles\_enabled\_flag}$  is equal to FALSE, for  $x = -3.. \text{blkWidth} + 2$  and, samples  $\text{recPictureChOut}$  are derived as follows” with “If availableT is equal to FALSE, for  $x = -3.. \text{blkWidth} + 2$ , samples  $\text{recPictureChOut}$  are derived as follows:”.

Replace Formulae (1362) to (1364) with the following:

$$\text{recPictureChOut}[x\text{Ctb} + x, y\text{Ctb} - 3] = \text{recPictureChOut}[x\text{Ctb} + x, y\text{Ctb} + 3] \quad (1362)$$

$$\text{recPictureChOut}[x\text{Ctb} + x, y\text{Ctb} - 2] = \text{recPictureChOut}[x\text{Ctb} + x, y\text{Ctb} + 2] \quad (1363)$$

$$\text{recPictureChOut}[x\text{Ctb} + x, y\text{Ctb} - 1] = \text{recPictureChOut}[x\text{Ctb} + x, y\text{Ctb} + 1] \quad (1364)$$

Replace “Otherwise (availableT is equal to TRUE),” with “Otherwise (availableT is equal to TRUE), for  $x = 0.. \text{blkWidth} - 1$ , samples  $\text{recPictureChOut}$  are derived as follows:”.

Add the following after Formula (1367):

- If availableL is equal to FALSE, for  $y = y\text{Ctb} - 3..y\text{Ctb} - 1$ , samples  $\text{recPictureChOut}$  are derived as follows:

$$\text{recPictureChOut}[x\text{Ctb} - 3, y] = \text{recPictureCh}[x\text{Ctb}, y] \quad (1501)$$

$$\text{recPictureChOut}[x\text{Ctb} - 2, y] = \text{recPictureCh}[x\text{Ctb}, y] \quad (1502)$$

$$\text{recPictureChOut}[x\text{Ctb} - 1, y] = \text{recPictureCh}[x\text{Ctb}, y] \quad (1503)$$

- Otherwise (availableL is equal to TRUE), for  $y = y\text{Ctb} - 3..y\text{Ctb} - 1$ , samples  $\text{recPictureChOut}$  are derived as follows:

$$\text{recPictureChOut}[x\text{Ctb} - 3, y] = \text{recPictureCh}[x\text{Ctb} - 3, y] \quad (1504)$$

$$\text{recPictureChOut}[x\text{Ctb} - 2, y] = \text{recPictureCh}[x\text{Ctb} - 2, y] \quad (1505)$$

$$\text{recPictureChOut}[x\text{Ctb} - 1, y] = \text{recPictureCh}[x\text{Ctb} - 1, y] \quad (1506)$$

- If availableR is equal to FALSE, for  $y = y_{Ctb} - 3..y_{Ctb} - 1$ , samples recPictureChOut are derived as follows:

$$\text{recPictureChOut}[x_{Ctb} + \text{blkWidth} + 2, y] = \text{recPictureCh}[x_{Ctb} + \text{blkWidth} - 1, y] \quad (1507)$$

$$\text{recPictureChOut}[x_{Ctb} + \text{blkWidth} + 1, y] = \text{recPictureCh}[x_{Ctb} + \text{blkWidth} - 1, y] \quad (1508)$$

$$\text{recPictureChOut}[x_{Ctb} + \text{blkWidth}, y] = \text{recPictureCh}[x_{Ctb} + \text{blkWidth} - 1, y] \quad (1509)$$

- Otherwise (availableR is equal to TRUE), for  $y = y_{Ctb} - 3..y_{Ctb} - 1$ , samples recPictureChOut are derived as follows:

$$\text{recPictureChOut}[x_{Ctb} + \text{blkWidth} + 2, y] = \text{recPictureCh}[x_{Ctb} + \text{blkWidth} + 2, y] \quad (1510)$$

$$\text{recPictureChOut}[x_{Ctb} + \text{blkWidth} + 1, y] = \text{recPictureCh}[x_{Ctb} + \text{blkWidth} + 1, y] \quad (1511)$$

$$\text{recPictureChOut}[x_{Ctb} + \text{blkWidth}, y] = \text{recPictureCh}[x_{Ctb} + \text{blkWidth}, y] \quad (1512)$$

Replace “If availableB is equal to FALSE, for  $x = -3..blkWidth + 2$  and, samples recPictureChOut are derived as follows” with “If availableB is equal to FALSE, for  $y = y_{Ctb} - 3..y_{Ctb} - 1$ , samples recPictureChOut are derived as follows”.

Replace Formulae (1368) to (1370) with the following:

$$\text{recPictureChOut}[x_{Ctb} + x, y_{Ctb} + \text{blkHeight} + 2] = \text{recPictureChOut}[x_{Ctb} + x, y_{Ctb} + \text{blkHeight} - 4] \quad (1368)$$

$$\text{recPictureChOut}[x_{Ctb} + x, y_{Ctb} + \text{blkHeight} + 1] = \text{recPictureChOut}[x_{Ctb} + x, y_{Ctb} + \text{blkHeight} - 3] \quad (1369)$$

$$\text{recPictureChOut}[x_{Ctb} + x, y_{Ctb} + \text{blkHeight}] = \text{recPictureChOut}[x_{Ctb} + x, y_{Ctb} + \text{blkHeight} - 2] \quad (1370)$$

Replace “Otherwise (availableB is equal to TRUE),” with “Otherwise (availableB is equal to TRUE), for  $y = y_{Ctb} - 3..y_{Ctb} - 1$ , samples recPictureChOut are derived as follows:”.

Add the following after Formula (1373):

- If availableL is equal to FALSE, for  $y = y_{Ctb} + \text{blkHeight}..y_{Ctb} + \text{blkHeight} + 2$ , samples recPictureChOut are derived as follows:

$$\text{recPictureChOut}[x_{Ctb} - 3, y] = \text{recPictureCh}[x_{Ctb}, y] \quad (1513)$$

$$\text{recPictureChOut}[x_{Ctb} - 2, y] = \text{recPictureCh}[x_{Ctb}, y] \quad (1514)$$

$$\text{recPictureChOut}[x_{Ctb} - 1, y] = \text{recPictureCh}[x_{Ctb}, y] \quad (1515)$$

— Otherwise (availableL is equal to TRUE), for  $y = y_{Ctb} + blkHeight.y_{Ctb} + blkHeight + 2$ , samples  $recPictureChOut$  are derived as follows:

$$recPictureChOut[ x_{Ctb} - 3, y ] = recPictureCh[ x_{Ctb} - 3, y ] \quad (1516)$$

$$recPictureChOut[ x_{Ctb} - 2, y ] = recPictureCh[ x_{Ctb} - 2, y ] \quad (1517)$$

$$recPictureChOut[ x_{Ctb} - 1, y ] = recPictureCh[ x_{Ctb} - 1, y ] \quad (1518)$$

— If availableR is equal to FALSE, for  $y = y_{Ctb} + blkHeight.y_{Ctb} + blkHeight + 2$ , samples  $recPictureChOut$  are derived as follows:

$$recPictureChOut[ x_{Ctb} + blkWidth + 2, y ] = recPictureCh[ x_{Ctb} + blkWidth - 1, y ] \quad (1519)$$

$$recPictureChOut[ x_{Ctb} + blkWidth + 1, y ] = recPictureCh[ x_{Ctb} + blkWidth - 1, y ] \quad (1520)$$

$$recPictureChOut[ x_{Ctb} + blkWidth, y ] = recPictureCh[ x_{Ctb} + blkWidth - 1, y ] \quad (1521)$$

— Otherwise (availableR is equal to TRUE), for  $y = y_{Ctb} + blkHeight.y_{Ctb} + blkHeight + 2$ , samples  $recPictureChOut$  are derived as follows:

$$recPictureChOut[ x_{Ctb} + blkWidth + 2, y ] = recPictureCh[ x_{Ctb} + blkWidth + 2, y ] \quad (1522)$$

$$recPictureChOut[ x_{Ctb} + blkWidth + 1, y ] = recPictureCh[ x_{Ctb} + blkWidth + 1, y ] \quad (1523)$$

$$recPictureChOut[ x_{Ctb} + blkWidth, y ] = recPictureCh[ x_{Ctb} + blkWidth, y ] \quad (1524)$$

D.2.1

Replace the text with the following

sei_payload( payloadType, payloadSize ) {	Descriptor
if( payloadType == 0 )	
buffering_period( payloadSize )	
else if( payloadType == 1 )	
pic_timing( payloadSize )	
else if( payloadType == 4 )	
user_data_registered_itu_t_t35( payloadSize )	
else if( payloadType == 5 )	
user_data_unregistered( payloadSize )	
else if( payloadType == 6 )	
recovery_point( payloadSize )	
else if( payloadType == 56 )	